

Work Order ID 62453

Thursday, September 30, 2010 12:41:22 PM

Page 1

Item ID: D3783-043

Accept

Setup Start

Revision ID:

Stop

Item Name: Longitudinal Brace Assembly

Start Date: 9/30/2010 Start Qty: ~~4.00~~ ²

Cust Item ID:

Required Date: 10/8/2010 Req'd Qty: 4.00

Customer:

Reference:

Approvals:

Process Plan:

Date: 10/9/30 Tooling:

Date:

Run Start

QC:

Date: SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D3783

Rev A

100

Pick Kit

0.00



Packaging

Memo

0.00

Packaging

ES 11/03/04 (2)

110

Small Fab

0.00



Small Fab

Memo

0.00

Small Fab

1-assemble as per dwg D3783

ES 11/03/04 (2)

120

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

8/10/04

(12)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 62453

Page 2

Thursday, September 30, 2010 12:41:22 PM

Item ID: D3783-043

Accept



Setup Start



Revision ID:

Stop



Item Name: Longitudinal Brace Assembly

Start Date: 9/30/2010 Start Qty: 4.00



Cust Item ID:

Required Date: 10/8/2010 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

Identify as per dwg & Stock Location 249

0.00



Packaging

Memo

0.00

Packaging

11/3/21

32

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/03/07

MF

11-03-04

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Thursday, September 30, 2010 12:41:27 PM

Page 1

Work Order ID: 62453

Parent Item: D3783-043

Parent Item Name: Longitudinal Brace Assembly





Start Date: 9/30/2010

Required Date: 10/8/2010

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP Rev:A 08-05-19 new issue DD verified by:ec
IPP Rev:B 08-06-17 rev.a as per dwg DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN5-13A  Bolt		Purchased	No			110	Each	40.0000	1	4		EP 11/03/04 M116003 (20)	
<div>Location</div> <div>ST338 40</div> <div>115316 40</div>													
* AN960JD516  Washer	NAS1149D0563J	Purchased	No			110	Each	34.0000	2	8		EP 11/03/04	
<div>Location</div> <div>ST 34</div> <div>103694 18</div> <div>107534 12</div> <div>109287 4</div>													
- D3765-1  Clevis		Manufactured	No			110	Each	1.0000	1	4		EP 11/03/04 Bix	
<div>Location</div> <div>ST250 1</div> <div>60453 1</div>													
* D3769-3  Tube		Manufactured	No			110	Each	0.0000	1	4		EP 11/03/04 B60432 (20)	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 2

Thursday, September 30, 2010 12:41:27 PM

Work Order ID: 62453



Parent Item: D3783-043



Parent Item Name: Longitudinal Brace Assembly

Start Date: 9/30/2010

Required Date: 10/8/2010

Start Qty: 4.00

Required Qty: 4.00

MS21042L5

Purchased

No

110

Each

899.0000

1

4



Nut

Location

Loc Qty

Loc Code

ST139

26

114813

26

ST300

873

115156

373

115594

500

Handwritten signature
9/30/04

Thursday, September 30, 2010 12:41:27 PM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

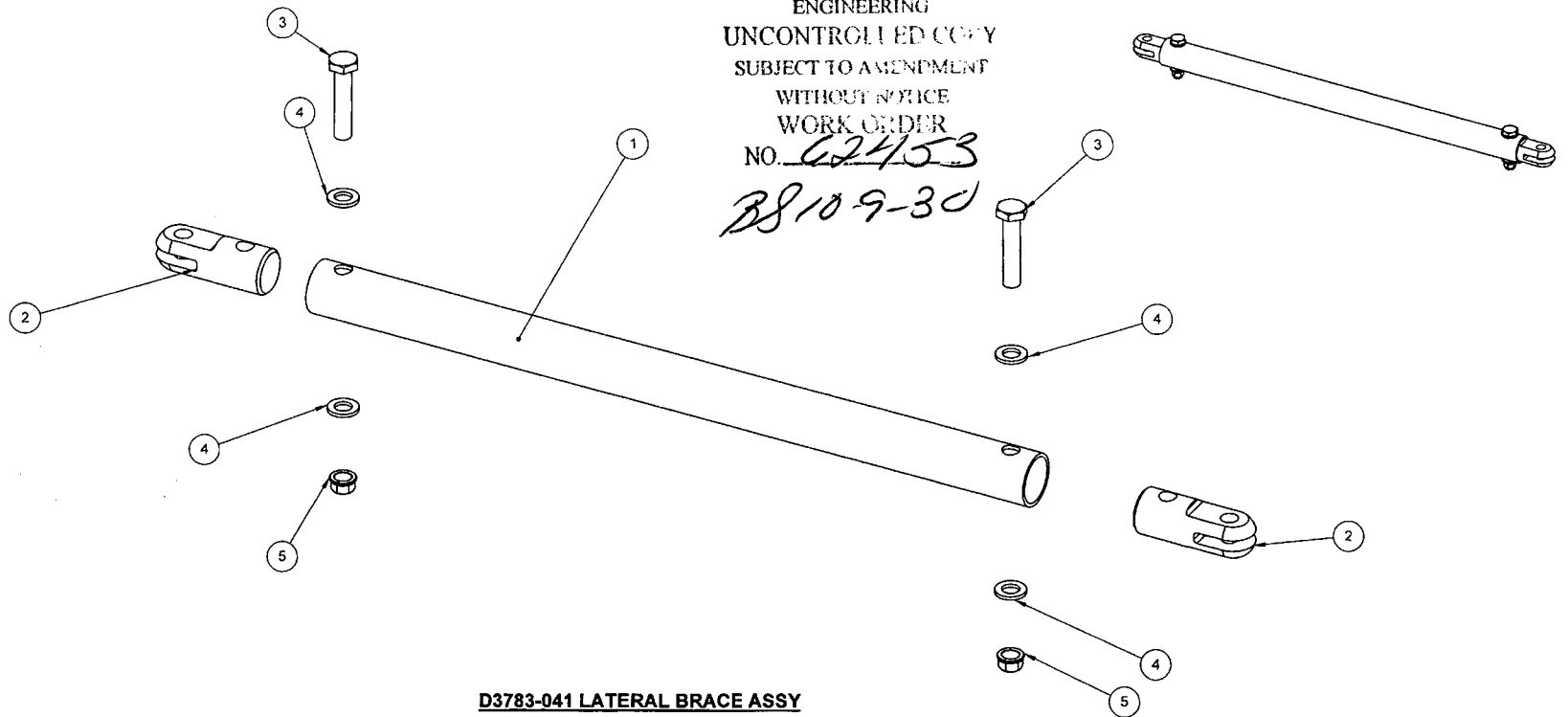
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

SHOP
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 62453
B8109-30



D3783-041 LATERAL BRACE ASSY

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-041)
1	D3769-1	TUBE	1
2	D3765-1	CLEVIS	2
3	AN5-13A	BOLT	2
4	NAS1149D0568J	WASHER (AN960JD516)	4
5	MS21042L5	NUT	2

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.52 lbs

RELEASED
08.06.04

A		NEW ISSUE		HS	08.06.04
REV.	DESCRIPTION			BY	DATE
DESIGN	HS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			REV. A SHEET 1 OF 3
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CHECKED					
MFG. APPR.					
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DE APPR.		TITLE BRACE ASSEMBLY			NTS
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

8 7 6 5 4 3 2 1

D

D

C

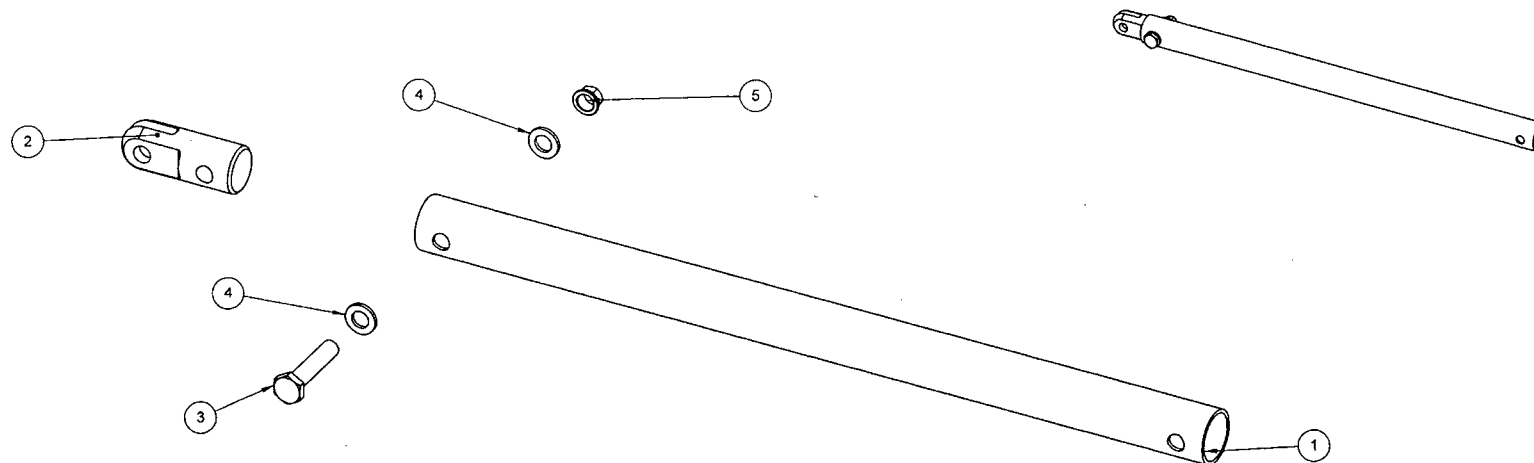
C

B

B

A

A



D3783-043 LONGITUDINAL BRACE ASSY

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-043)
1	D3769-3	TUBE	1
2	D3765-1	CLEVIS	1
3	AN5-13A	BOLT	1
4	NAS1149D0568J	WASHER (AN960JD516)	2
5	MS21042L5	NUT	1

RELEASED
08-06-16

NOTES:
 1) MATERIAL: N/A
 2) FINISH: N/A
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 6) IDENTIFICATION: N/A
 7) WEIGHT: 0.41 lbs

DESIGN	HS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
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DATE	08.06.04		

8 7 6 5 4 3 2 1

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

D3783-045 ANGLE BRACE ASSY

ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-045)
1	D3769-5	TUBE	1
2	D3765-1	CLEVIS	2
3	AN5-13A	BOLT	2
4	NAS1149D0568J	WASHER (AN960JD516)	4
5	MS21042L5	NUT	2

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 0.63 lbs

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APPROVED	<i>[Signature]</i>	TITLE BRACE ASSEMBLY SCALE NTS
DE APPR.	<i>[Signature]</i>	
DATE	08.06.04	

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RELEASED
08-06-14 217

u/b 62953

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries